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PTO/SB/21 (04-04)

**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Application Number	10/801,499
Filing Date	March 15, 2004
First Named Inventor	Calafut, Daniel
Art Unit	2811
Examiner Name	Unassigned
Attorney Docket Number	018865-015200US

Total Number of Pages in This Submission

ENCLOSURES (Check all that apply)

- | | | |
|--|---|--|
| <input type="checkbox"/> Fee Transmittal Form
<input type="checkbox"/> Fee Attached
<input type="checkbox"/> Amendment/Reply
<input type="checkbox"/> After Final
<input type="checkbox"/> Affidavits/declaration(s)
<input type="checkbox"/> Extension of Time Request
<input type="checkbox"/> Express Abandonment Request
<input checked="" type="checkbox"/> Information Disclosure Statement
<input type="checkbox"/> Certified Copy of Priority Document(s)
<input type="checkbox"/> Response to Missing Parts/Incomplete Application
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s)
<input type="checkbox"/> Licensing-related Papers
<input type="checkbox"/> Petition
<input type="checkbox"/> Petition to Convert to a Provisional Application
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<input type="checkbox"/> Terminal Disclaimer
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<input type="checkbox"/> CD, Number of CD(s) _____ | <input type="checkbox"/> After Allowance Communication to Technology Center (TC)
<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
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PTO/SB/08A & PTO/SB/08B
80 Reference Copies |
|--|---|--|
- Remarks: The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Townsend and Townsend and Crew LLP	Reg. No. 45,068
Signature		
Date	August 12, 2004	

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

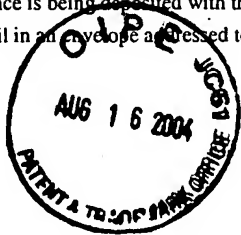
Typed or printed name	Tiffany Wu		
Signature		Date	August 17, 2004

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6/2/04



PATENT
Attorney Docket No.: 018865-015200US
Client Reference No.: 17732-67340.00

TOWNSEND and TOWNSEND and CREW LLP

By:


Tiffany Wu

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Daniel Calafut et al.

Application No.: 10/801,499

Filed: March 15, 2004

For: OPTIMIZED TRENCH POWER
MOSFET WITH INTEGRATED
SCHOTTKY DIODE

Examiner: Not Yet Assigned

Art Unit: 2811

INFORMATION DISCLOSURE
STATEMENT UNDER 37 CFR §1.97 and
§1.98

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

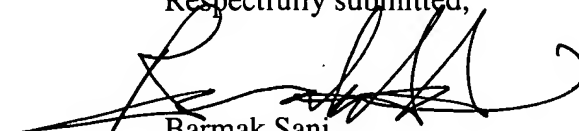
The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. With the exception of references from AA through JB, copies of the references are enclosed. It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement.

However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,



Barmak Sani
Reg. No. 45,068

TOWNSEND and TOWNSEND and CREW LLP
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60223206 v1



Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet **1** of **11****Complete if Known**

Application Number	10/801,499
Filing Date	March 15, 2004
First Named Inventor	Calafut, Daniel
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	018865-015200US

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code ² (if known)			
	AA	US-3,404,295	10-01-1968	Warner et al.	
	AB	US-3,412,297	11-19-1968	Amlinger	
	AC	US-3,497,777	02-24-1970	Teszner et al.	
	AD	US-3,564,356	02-16-1971	Wilson	
	AE	US-4,003,072	01-11-1977	Matsushita et al.	
	AF	US-4,300,150	11-10-1981	Colak	
	AG	US-4,326,332	04-27-1982	Kenney et al.	
	AH	US-4,337,474	06-29-1982	Yukimoto	
	AI	US-4,579,621	04-01-1986	Hine	
	AJ	US-4,636,281	01-13-1987	Buiguez et al.	
	AK	US-4,638,344	01-20-1987	Cardwell, Jr.	
	AL	US-4,639,761	01-27-1987	Singer et al.	
	AM	US-4,698,653	10-06-1987	Cardwell, Jr.	
	AN	US-4,716,126	12-29-1987	Cogan	
	AO	US-4,746,630	05-24-1988	Hui et al.	
	AP	US-4,754,310	06-28-1988	Coe	
	AQ	US-4,774,556	09-27-1988	Fujii et al.	
	AR	US-4,801,986	01-31-1989	Chang et al.	
	AS	US-4,821,095	04-11-1989	Temple	
	AT	US-4,823,176	04-18-1989	Baliga et al.	
	AU	US-4,853,345	08-01-1989	Himelick	
	AV	US-4,868,624	09-19-1989	Grung et al.	
	AW	US-4,893,160	01-09-1990	Blanchard	
	AX	US-4,914,058	04-03-1990	Blanchard	
	AY	US-4,941,026	07-10-1990	Temple	
	AZ	US-4,967,245	10-30-1990	Cogan et al.	
	BA	US-4,974,059	11-27-1990	Kinzer	
	BB	US-4,990,463	02-05-1991	Mori	
	BC	US-4,992,390	02-12-1991	Hsueh-Rong Chang	
	BD	US-5,027,180	06-25-1991	Nishizawa et al.	
	BE	US-5,071,782	12-10-1991	Mori	
	BF	US-5,072,266	12-10-1991	Buluccea	
	BG	US-5,079,608	01-07-1992	Wodarczyk et al.	
	BH	US-5,105,243	04-14-1992	Nakagawa et al.	
	BI	US-5,111,253	05-05-1992	Korman et al.	
	BJ	US-5,142,640	08-25-1992	Iwanatsu	
	BK	US-5,164,325	11-17-1992	Cogan et al.	
	BL	US-5,164,802	11-17-1992	Jones et al.	
	BM	US-5,216,275	06-01-1993	Chen	
	BN	US-5,219,777	06-15-1993	Kang	

Examiner Signature		Date Considered	
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* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>			Complete If Known		
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Examiner Name	Not Yet Assigned				
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Sheet	2	of	11		

U.S. PATENT DOCUMENTS+					
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		Number Kind Code ² (if known)			
	BO	US-5,219,793	06-15-1993	Cooper et al.	
	BP	US-5,233,215	08-03-1993	Baliga	
	BQ	US-5,262,336	11-16-1993	Pike, Jr. et al.	
	BR	US-5,268,311	12-07-1993	Euen et al.	
	BS	US-5,275,965	01-04-1994	Manning	
	BT	US-5,294,824	03-15-1994	Okada	
	BU	US-5,298,761	03-29-1994	Cogan et al.	
	BV	US-5,300,447	04-05-1994	Anderson	
	BW	US-5,326,711	07-05-1994	Malhi	
	BX	US-5,350,937	09-27-1994	Yamazaki et al.	
	BY	US-5,365,102	11-15-1994	Mehrotra et al.	
	BZ	US-5,366,914	11-22-1994	Takahashi et al.	
	CA	US-5,389,815	02-14-1995	Takahashi	
	CB	US-5,405,794	04-11-1995	Kim	
	CC	US-5,418,376	05-23-1995	Muraoka et al.	
	CD	US-5,424,231	06-13-1995	Yang	
	CE	US-5,429,977	07-04-1995	Lu et al.	
	CF	US-5,430,311	07-04-1995	Murakami et al.	
	CG	US-5,430,324	07-04-1995	Bencuya	
	CH	US-5,436,189	07-25-1995	Beasom	
	CI	US-5,438,215	08-01-1995	Tihanyi	
	CJ	US-5,442,214	08-15-1995	Yang	
	CK	US-5,454,435	07-18-1995	Baliga	
	CL	US-5,473,176	12-05-1995	Kakumoto	
	CM	US-5,473,180	12-05-1995	Ludikhuize	
	CN	US-5,474,943	12-12-1995	Hshieh et al.	
	CO	US-5,519,245	05-21-1996	Tokura et al.	
	CP	US-5,541,425	07-30-1996	Nishihara	
	CQ	US-5,554,862	09-10-1996	Omura et al.	
	CR	US-5,567,634	10-22-1996	Hebert et al.	
	CS	US-5,567,635	10-22-1996	Acovic et al.	
	CT	US-5,572,048	11-05-1996	Sugawara	
	CU	US-5,576,245	11-19-1996	Cogan et al.	
	CV	US-5,578,851	11-26-1996	Hshieh et al.	
	CW	US-5,581,100	12-03-1996	Ajit	
	CX	US-5,583,065	12-10-1996	Miwa	
	CY	US-5,592,005	01-07-1997	Floyd et al.	
	CZ	US-5,595,927	01-21-1997	Chen et al.	
	DA	US-5,597,765	01-28-1997	Yilmaz et al.	
	DB	US-5,605,852	02-25-1997	Bencuya	

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			First Named Inventor	Calafut, Daniel	
			Art Unit	Not Yet Assigned	
Examiner Name	Not Yet Assigned				
Sheet	3	of	11	Attorney Docket Number	018865-015200US

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee* or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code ² (if known)			
	DC	US-5,623,152	04-22-1997	Majumdar et al.	
	DD	US-5,629,543	05-13-1997	Hshieh et al.	
	DE	US-5,637,898	06-10-1997	Baliga	
	DF	US-5,639,676	06-17-1997	Hshieh et al.	
	DG	US-5,640,034	07-17-1997	Satwinder Malhi	
	DH	US-5,648,670	07-15-1997	Blanchard	
	DI	US-5,656,843	08-12-1997	Goodyear et al.	
	DJ	US-5,665,619	09-09-1997	Kwan et al.	
	DK	US-5,670,803	09-23-1997	Beilstein, Jr. et al.	
	DL	US-5,689,128	11-18-1997	Hshieh et al.	
	DM	US-5,693,569	12-02-1997	Ueno	
	DN	US-5,705,409	01-06-1998	Witek	
	DO	US-5,710,072	01-20-1998	Krautschneider et al.	
	DP	US-5,714,781	02-03-1998	Yamamoto et al.	
	DQ	US-5,719,409	02-17-1998	Singh et al.	
	DR	US-5,770,878	06-23-1998	Beasom	
	DS	US-5,776,813	07-07-1998	Huang et al.	
	DT	US-5,780,343	07-14-1998	Bashir	
	DU	US-5,801,417	09-01-1998	Tsang et al.	
	DV	US-5,877,528	03-02-1999	So	
	DW	US-5,879,971	03-09-1999	Witek	
	DX	US-5,879,994	03-09-1999	Kwan et al.	
	DY	US-5,895,951	04-20-1999	So et al.	
	DZ	US-5,895,952	04-20-1999	Darwish et al.	
	EA	US-5,897,343	04-27-1999	Mathew et al.	
	EB	US-5,897,360	04-27-1999	Kawaguchi	
	EC	US-5,900,663	05-04-1999	Johnson et al.	
	ED	US-5,906,680	05-25-1999	Meyerson	
	EE	US-5,917,216	06-29-1999	Floyd et al.	
	EF	US-5,929,481	07-27-1999	Hsieh et al.	
	EG	US-5,943,581	08-24-1999	Lu et al.	
	EH	US-5,949,104	09-07-1999	D'Anna et al.	
	EI	US-5,949,124	09-07-1999	Hadizad et al.	
	EJ	US-5,959,324	09-28-1999	Kohyama	
	EK	US-5,960,271	09-28-1999	Wollesen et al.	
	EL	US-5,972,741	10-26-1999	Kubo et al.	
	EM	US-5,973,360	10-26-1999	Tihanyi	
	EN	US-5,976,936	11-02-1999	Miyajima et al.	
	EO	US-5,981,344	11-09-1999	Hshieh et al.	
	EP	US-5,981,996	11-09-1999	Fujishima	

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		Number Kind Code ² (if known)			
	EQ	US-5,998,833	12-07-1999	Baliga	
	ER	US-6,005,271	12-21-1999	Hshieh	
	ES	US-6,008,097	12-28-1999	Yoon et al.	
	ET	US-6,011,298	01-04-2000	Blanchard	
	EU	US-6,015,727	01-18-2000	Wanlass	
	EV	US-6,020,250	02-01-2000	Kenny et al.	
	EW	US-6,034,415	05-07-2000	Johnson et al.	
	EX	US-6,037,202	03-14-2000	Witek	
	EY	US-6,037,628	03-14-2000	Huang	
	EZ	US-6,037,632	03-14-2000	Omura et al.	
	FA	US-6,040,600	03-21-2000	Uenishi et al.	
	FB	US-6,048,772	04-11-2000	D'Anna	
	FC	US-6,049,108	04-11-2000	Williams et al.	
	FD	US-6,057,558	05-02-2000	Yamamoto et al.	
	FE	US-6,063,678	05-16-2000	D'Anna	
	FF	US-6,064,088	05-16-2000	D'Anna	
	FG	US-6,066,878	05-23-2000	Neilson	
	FH	US-6,081,009	06-27-2000	Neilson	
	FI	US-6,084,264	07-04-2000	Darwish	
	FJ	US-6,084,268	07-04-2000	de Frésart et al.	
	FK	US-6,087,232	07-11-2000	Kim et al.	
	FL	US-6,096,608	08-01-2000	Williams	
	FM	US-6,097,063	08-01-2000	Fujihira	
	FN	US-6,103,578	08-15-2000	Uenishi et al.	
	FO	US-6,104,054	08-15-2000	Corsi et al.	
	FP	US-6,110,799	08-29-2000	Huang	
	FQ	US-6,114,727	09-05-2000	Ogura et al.	
	FR	US-6,137,152	10-24-2000	Wu	
	FS	US-6,156,606	12-05-2000	Michaelis	
	FT	US-6,156,611	12-05-2000	Lan et al.	
	FU	US-6,163,052	12-19-2000	Liu et al.	
	FV	US-6,165,870	12-26-2000	Shim et al.	
	FW	US-6,168,983	01-02-2001	Rumennik et al.	
	FX	US-6,168,996	01-02-2001	Numazawa et al.	
	FY	US-6,171,935	01-09-2001	Nance et al.	
	FZ	US-6,174,773	01-16-2001	Fujishima	
	GA	US-6,174,785	01-16-2001	Parekh et al.	
	GB	US-6,184,545	02-06-2001	Werner et al.	
	GC	US-6,184,555	02-06-2001	Tihanyi et al.	
	GD	US-6,188,104	02-13-2001	Choi et al.	

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		Number Kind Code ² (if known)			
	GE	US-6,188,105	02-13-2001	Kocon et al.	
	GF	US-6,190,978	02-20-2001	D'Anna	
	GG	US-6,191,447	02-20-2001	Baliga	
	GH	US-6,198,127	03-06-2001	Kocon	
	GI	US-6,201,279	03-13-2001	Pfirsch	
	GJ	US-6,204,097	03-20-2001	Shen et al.	
	GK	US-6,207,994	03-27-2001	Rumennik et al.	
	GL	US-6,222,233	04-24-2001	D'Anna	
	GM	US-6,225,649	05-01-2001	Minato	
	GN	US-6,228,727	05-08-2001	Lim et al.	
	GO	US-6,239,464	05-29-2001	Tsuchitani et al.	
	GP	US-6,265,269	07-24-2001	Chen et al.	
	GQ	US-6,271,100	08-07-2001	Ballantine et al.	
	GR	US-6,271,552	08-07-2001	D'Anna	
	GS	US-6,271,562	08-07-2001	Deboy et al.	
	GT	US-6,274,905	08-14-2001	Mo	
	GU	US-6,277,706	08-21-2001	Ishikawa	
	GV	US-6,285,060	09-04-2001	Korec et al.	
	GW	US-6,291,298	09-18-2001	Williams et al.	
	GX	US-6,291,856	09-18-2001	Miyasaka et al.	
	GY	US-6,294,818	09-25-2001	Fujihira	
	GZ	US-6,297,534	10-02-2001	Kawaguchi et al.	
	HA	US-6,303,969	10-16-2001	Tan	
	HB	US-6,307,246	10-23-2001	Nitta et al.	
	HC	US-6,309,920	10-30-2001	Laska et al.	
	HD	US-6,313,482	11-06-2001	Baliga	
	HE	US-6,326,656	12-04-2001	Tihanyi	
	HF	US-6,337,499	01-08-2002	Werner	
	HG	US-6,346,464	02-12-2002	Takeda et al.	
	HH	US-6,346,469	02-12-2002	Greer	
	HI	US-6,351,018	02-26-2002	Sapp	
	HJ	US-6,353,252	03-05-2002	Yasuhara et al.	
	HK	US-6,359,308	03-19-2002	Hijzen et al.	
	HL	US-6,362,112	03-26-2002	Hamerski	
	HM	US-6,362,505	03-26-2002	Tihanyi	
	HN	US-6,365,462	04-02-2002	Baliga	
	HO	US-6,365,930	04-02-2002	Schillaci et al.	
	HP	US-6,368,920	04-09-2002	Beasom	
	HQ	US-6,368,921	04-09-2002	Hijzen et al.	
	HR	US-6,376,314	04-23-2002	Jerred	

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Sheet	6	of	11	Attorney Docket Number	018865-015200US

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code ² (if known)			
	HS	US-6,376,878	04-23-2002	Kocon	
	HT	US-6,376,890	04-23-2002	Tihanyi	
	HU	US-6,384,456	05-07-2002	Tihanyi	
	HV	US-6,388,286	05-14-2002	Baliga	
	HW	US-6,388,287	05-14-2002	Deboy et al.	
	HX	US-6,400,003	06-04-2002	Huang	
	HY	US-6,429,481 B1	08-06-2002	Mo et al.	
	HZ	US-6,433,385	08-13-2002	Kocon et al.	
	IA	US-6,436,779	08-20-2002	Hurkx et al.	
	IB	US-6,437,399	08-20-2002	Huang	
	IC	US-6,441,454	08-27-2002	Hijzen et al.	
	ID	US-6,452,230	09-17-2002	Boden, Jr.	
	IE	US-6,465,304	10-15-2002	Blanchard et al.	
	IF	US-6,465,843	10-15-2002	Hirler et al.	
	IG	US-6,465,869	10-15-2002	Ahlrs et al.	
	IH	US-6,472,678	10-29-2002	Hshieh et al.	
	II	US-6,472,708	10-29-2002	Hshieh et al.	
	IJ	US-6,475,884	11-05-2002	Hshieh et al.	
	IK	US-6,476,443	11-05-2002	Kinzer	
	IL	US-6,479,352	11-12-2002	Blanchard	
	IM	US-6,489,652 B1	12-03-2002	Jeon et al.	
	IN	US-6,501,146	12-31-2002	Harada	
	IO	US-2001/0023961 A1	09-27-2001	Hsieh et al.	
	IP	US-2001/0028083 A1	10-11-2001	Onishi et al.	
	IQ	US-2001/0032998 A1	10-25-2001	Iwamoto et al.	
	IR	US-2001/0041400 A1	11-15-2001	Ren et al.	
	IS	US-2001/0049167 A1	12-06-2001	Madson	
	IT	US-2001/0050394 A1	12-13-2001	Onishi et al.	
	IU	US-2002/0009832 A1	01-24-2002	Blanchard	
	IV	US-2002/0014658 A1	02-07-2002	Blanchard	
	IW	US-2002/0066924 A1	06-06-2002	Blanchard	
	IX	US-2002/0070418 A1	06-13-2002	Kinzer et al.	
	IY	US-2003/0060013 A1	03-27-2003	Marchant	
	IZ	US-2003/0100933	08-01-2002	Marchant	
	JA	US-2003/0100933 A1	08-01-2002	Marchant	
	JB	US-2003/0193067 A1	10-16-2003	Kim	

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete If Known	
				Application Number	10/801,499
				Filing Date	March 15, 2004
				First Named Inventor	Calafut, Daniel
				Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned				
Sheet	7	of	11	Attorney Docket Number	018865-015200US

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴ Kind Code ⁵ (if known)				
	JC	DE	4300806 C1	12-23-1993	Siemens AG		<input checked="" type="checkbox"/>
	JD	DE	19736981 A1	08-20-1998	Mitsubishi Denki		<input checked="" type="checkbox"/>
	JE	EP	0747967 B1	02-27-2002	ST Microelectronics Inc.		<input type="checkbox"/>
	JF	EP	0975024 A2	01-02-2000	Fuji Electric Co. LTD.		<input type="checkbox"/>
	JG	EP	1026749 A1	08-09-2000	Mitsubishi Denki Kabushiki		<input type="checkbox"/>
	JH	EP	1054451 A2	11-22-2000	Intersil Corporation		<input type="checkbox"/>
	JI	EP	1205980 A1	05-15-2002	Infineon Technologies AG		<input type="checkbox"/>
	JJ	JP	01-192174 A	08-02-1989	Hitachi LTD.		<input checked="" type="checkbox"/>
	JK	JP	05226638 A	09-03-1993	Wakatabe et al.		<input checked="" type="checkbox"/>
	JL	JP	2000-040822	02-08-2000	Fuji Electric Co. LTD.		<input checked="" type="checkbox"/>
	JM	JP	2000-040872	02-08-2000	Senju Metal IND CO LTD.		<input checked="" type="checkbox"/>
	JN	JP	2000-156978 A	06-06-2000	Fuji Electric Co. LTD.		<input checked="" type="checkbox"/>
	JO	JP	2000-277726 A	10-06-2000	Toshiba Corp.		<input checked="" type="checkbox"/>
	JP	JP	2000-277728 A	10-06-2000	NEC Kansai LTD.		<input checked="" type="checkbox"/>
	JQ	JP	2001-015448	01-19-2001	Toshiba Corp.		<input checked="" type="checkbox"/>
	JR	JP	2001-015752	01-19-2001	Fuji Electric Co. LTD.		<input checked="" type="checkbox"/>
	JS	JP	2001-102577 A	04-13-2001	Toshiba Corp.		<input checked="" type="checkbox"/>
	JT	JP	2001-111041 A	02-20-2001	Fuji Electric Co. LTD.		<input checked="" type="checkbox"/>
	JU	JP	2001-135819 A	05-18-2001	Fuji Electric Co. LTD.		<input checked="" type="checkbox"/>
	JV	JP	2001-144292 A	05-25-2001	Denso Corp.		<input checked="" type="checkbox"/>
	JW	JP	2001-244461 A	09-07-2001	Toyota Central Res & Dev Lab INC.		<input checked="" type="checkbox"/>
	JX	JP	2001-313391 A	11-09-2001	S. Takahiro et al.		<input checked="" type="checkbox"/>
	JY	JP	2002-083976 A	03-22-2002	Naito et al.		<input checked="" type="checkbox"/>
	JZ	JP	62-069562	03-30-1987	Mitsubishi Electric Corp		<input checked="" type="checkbox"/>
	KA	JP	63-186475	08-02-1988	Nissan Motor Co. LTD.		<input checked="" type="checkbox"/>
	KB	JP	63-288047	11-25-1988	Toshiba Corp.		<input checked="" type="checkbox"/>
	KC	JP	64-022051	01-25-1989	Matsushita Electric Ind		<input checked="" type="checkbox"/>
	KD	PCT	WO 00/33386 A2	06-08-2000	Koninklijke Philips Electronics		<input type="checkbox"/>
	KE	PCT	WO 00/68997 A1	11-16-2000	C.P. Clare Corporation		<input type="checkbox"/>
	KF	PCT	WO 00/68998 A1	11-16-2000	C.P. Clare Corporation		<input type="checkbox"/>
	KG	PCT	WO 00/75965 A2	12-14-2000	General Semiconductor, Inc.		<input type="checkbox"/>
	KH	PCT	WO 01/06550 A1	01-23-2001	Koninklijke Philips Electronics		<input type="checkbox"/>
	KI	PCT	WO 01/06557 A1	01-25-2001	Koninklijke Philips Electronics		<input type="checkbox"/>
	KJ	PCT	WO 01/45155 A1	06-21-2001	Koninklijke Philips Electronics		<input type="checkbox"/>
	KK	PCT	WO 01/59847 A2	08-16-2001	Koninklijke Philips Electronics		<input type="checkbox"/>
	KL	PCT	WO 01/71815	09-27-2001	Koninklijke Philips Electronics		<input type="checkbox"/>
	KM	PCT	WO 01/95385 A1	12-13-2001	General Semiconductor, Inc.		<input type="checkbox"/>

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				Application Number	10/801,499
				Filing Date	March 15, 2004
				First Named Inventor	Calafut, Daniel
				Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
Sheet	8	of	11	Attorney Docket Number	018865-015200US

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		Number ⁴						
		Country Code ³	Kind Code ⁵ (if known)					
	KN	PCT	WO 01/95398	A1	12-13-2001	General Semiconductor, Inc.		<input type="checkbox"/>
	KO	PCT	WO 02/01644	A2	01-03-2002	Silicon Wireless Corporation		<input type="checkbox"/>
	KP	PCT	WO 02/047171	A1	06-13-2002	International Rectifier Corporation		<input type="checkbox"/>
								<input type="checkbox"/>

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			Examiner Name	Not Yet Assigned	
Sheet	9	of	11	Attorney Docket Number	018865-015200US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	KQ	BAI et al., "Novel automated optimization of power MOSFET for 12V input, high-frequency DC-DC converter," <i>International Symposium on Power Semiconductors and ICs, Technical Digest</i> , (2003), pp. 366-369.	
	KR	BALIGA "New Concepts in Power Rectifiers," Physics of Semiconductor Devices, Proceedings of the Third Int'l Workshop, Madras (India), Committee on Science and Technology in Developing Countries (1985), pp. 471-481.	
	KS	BALIGA "Options for CVD of Dielectrics Include Low-k Materials," Technical Literature from Semiconductor International, June 1998, 4 pages total.	
	KT	BALIGA, et al., "Improving the reverse recovery of power MOSFET integral diodes by electron irradiation," (December 1983) <i>Solid State Electronics</i> , Vol. 26, No. 12, pp. 1133-1141.	
	KU	BROWN et al. Novel Trench Gate Structure Developments Set the Benchmark for Next Generation Power MOSFET Switching Performance. Power Electronics - May 2003 Proceedings (PCIM), Nuremberg, Vol. 47, pp. 275-278.	
	KV	BULUCEA "Trench DMOS Transistor Technology For High Current (100 A Range) Switching" Solid-State Electronics Vol.34 No. pp.493-507 (1991).	
	KW	CHANG et al. "Numerical and experimental Analysis of 500-V Power DMOSFET with an Atomic-Lattice Layout," IEEE Transactions on Electron Devices 36:2623 (1989).	
	KX	CHANG et al. "Self-Aligned UMOSFET's with a Specific On-Resistance of 1mΩ cm ² ," IEEE Transactions on Electron Devices 34:2329-2334 (1987).	
	KY	CHENG, et al., "Fast reverse recovery body diode in high-voltage VDMOSFET using cell-distributed schottky contacts," (May 2003) <i>IEEE Transactions on Electron Devices</i> , Vol. 50, No. 5, pp. 1422-1425.	
	KZ	"CoolMOS™ the second generation," Infineon Technologies product information, (2000), 2 pages total.	
	LA	CURTIS, et al. "APCVD TEOS: 03 Advanced Trench Isolation Applications," Semiconductor Fabtech 9th Edition (1999) 8 pages total.	
	LB	DARWISH et al. A New Power W-Gated Trench MOSFET (WMOSFET) with High Switching Performance. ISPSD Proceedings - April 2003, Cambridge, 4 pages total.	
	LC	DJEKIC, O. et al., "High frequency synchronous buck converter for low voltage applications," (1998) <i>Proc. IEEE Power Electronics Specialist Conf. (PESC)</i> , pp. 1248-1254.	
	LD	FUJIIHARA "Theory of Semiconductor Superjunction Devices" Jpn. J. Appl. Phys. Vol 36 pp. 6254-6262 (1997).	
	LE	GAN et al. "Poly Flanked VDMOS (PFVDMOS): A Superior Technology for Superjunction Devices," IEEE Power Electronics Specialists Conference, 17-22 June 2001, Vancouver, Canada (2001), 4 pages total.	
	LF	GLENN et al. "A Novel Vertical Deep Trench RESURF DMOS (VTR-DMOS)" IEEE ISPD 2000, May 22-25, Toulouse France, pp. 197-200.	

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	LG	"IR develops CoolMOS™ -equivalent technology, positions it at the top of a 3-tiered line of new products for SMPS," International Rectifiers company information available at http://www.irf.com (1999) 3 pages total.	
	LH	KAO et al. "Two Dimensional Thermal Oxidation of Silicon-I. Experiments," <u>IEEE Transactions on Electron Devices</u> , Vol. ED-34, No. 5, May 1987, pp. 1008-1017.	
	LI	KAO et al., "TWO DIMENSIONAL THERMAL OXIDATION OF SILICON-II. MODELING STRESS EFFECTS IN WET OXIDES," <u>IEEE TRANSACTIONS ON ELECTRON DEVICES</u> , VOL. ED-35, NO. 1, JANUARY 1988, pp. 25-37.	
	LJ	KASSAKIAN, J.G. et al., "High-frequency high-density converters for distributed power supply systems," (April 1988) <i>Proceedings of the IEEE</i> , Vol. 76, No. 4, pp. 362-376.	
	LK	KORMAN, C.S. et al., "High performance power DMOSFET with integrated schottky diode," (1989) <i>Proc. IEEE Power Electronics Specialist Conf. (PESC)</i> , pp. 176-179.	
	LL	LORENZ et al. "COOL MOS- An important milestone towards a new power MOSFET generation" <i>Power Conversion</i> pp. 151-160 (1988).	
	LM	MAKSIMOVIC, A.M. et al., "Modeling and simulation of power electronic converters," (June 2001) <i>Proceedings of the IEEE</i> , Vol. 89, No. 6, pp. 898-912.	
	LN	MEHROTRA, M. et al., "Very low forward drop JBS rectifiers fabricated using submicron technology," (November 1993) <i>IEEE Transactions on Electron Devices</i> , Vol. 40, No. 11, pp. 2131-2132.	
	LO	MOGHADAM "Delivering Value Around New Industry Paradigms," <i>Technical Literature from Applied Materials</i> , pages 1-11, Volume 1, Issue 2, November 1999.	
	LP	PARK et al., "Lateral Trench Gate Super-Junction SOI-LDMOSFETs with Low On-Resistance," <i>Institute for Microelectronics, University of Technology Vienna, Austria</i> (2002), pp. 283-285.	
	LQ	SAKAI et al., "Experimental investigation of dependence of electrical characteristics of device parameters in trench MOS barrier, schottky diodes," (1998) <i>International Symposium on Power Semiconductors and ICs, Technical Digest</i> , pp. 293-296.	
	LR	SHENAI et al., "Current transport mechanisms in atomically abrupt metal-semiconductor interfaces," (April 1988) <i>IEEE Transactions on Electron Devices</i> , Vol. 35, No. 4, pp. 468-482.	
	LS	SHENAI et al., "Monolithically integrated power MOSFET and schottky diode with improved reverse recovery characteristics," (April 1990) <i>IEEE Transactions on Electron Devices</i> , Vol. 37, No. 4, pp. 1167-1169.	
	LT	SHENOY et al. "Analysis of the Effect of Charge Imbalance on the Static and Dynamic Characteristic of the Super Junction MOSFET," <i>IEEE International Symposium on Power Semiconductor Devices</i> 1999, pp. 99-102 (1999).	
	LU	SINGER "Empty Spaces in Silicon (ESS): An Alternative to SOI," <i>Semiconductor International</i> page 42, December 1999.	

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Examiner Name	Not Yet Assigned		
Sheet 11	of 11	Attorney Docket Number	018865-015200US

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	LV	TABISZ, et al., "A MOSFET resonant synchronous rectifier for high-frequency dc/dc converters," (1990) <i>Proc. IEEE Power Electronics Specialist Conf. (PESC)</i> , pp. 769-779.	
	LW	Technical Literature from Quester Technology, Model APT-4300 300mm Atmospheric TEOS/Ozone CVD System (unknown date), 3 pages total.	
	LX	Technical Literature from Quester Technology, Model APT-6000 Atmospheric TEOS-Ozone CVD System (unknown date), 2 pages total.	
	LY	Technical Literature from Silicon Valley Group Thermal Systems, APNext, High Throughput APCVD Cluster Tool for 200 mm/300 mm Wafer Processing (unknown date), 2 pages total.	
	LZ	TU, et al. "On the reverse blocking characteristics of schottky power diodes," (December 1992) <i>IEEE Transactions on Electron Devices</i> . Vol. 39, No. 12, pp. 2813-2814 2 pages total.	
	MA	UEDA et al. "An Ultra-Low On-Resistance Power MOSFET Fabricated by Using a Fully Self-Aligned Process," <i>IEEE Transactions on Electron Devices</i> 34:926-930 (1987).	
	MB	WILAMOWSKI "Schottky Diodes with High Breakdown Voltages," <i>Solid-State Electronics</i> 26:491-493 (1983).	
	MC	WOLF, "Silicon Processing for The VLSI Era" Vol. 2 Process Integration Lattice Press (1990) 3 pages total.	
	MD	YAMASHITA, et al., "Conduction Power loss in MOSFET synchronous rectifier with parallel-connected schottky barrier diode, (July 1998) <i>IEEE Transactions on Power electronics</i> , Vol. 13, No. 4, pp. 667-673.	

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